

### Claim Amendments

Amend the claims as follows:

1. (currently amended) A method of measuring discrete incremental feedback from motion systems that create feedback pulses, the method comprising:

establishing a minimum feedback pulse sampling period;

providing a feedback receiving device and using it to accumulate ~~accumulating~~-feedback pulses during a sampling period;

upon the first accumulated feedback pulse after the minimum feedback pulse sampling period, ending the current sampling period and beginning the next sampling period; and

providing an event counting device and using it to determine ~~determining~~ the quantity of feedback pulses accumulated during the current sampling period.

2. (currently amended) The method of measuring discrete, incremental feedback from

motion systems of claim 1 further comprising providing a clock device that produces a clock signal, and wherein the minimum feedback pulse sampling period is comprised of one or more periods of a~~the~~ clock signal.

3. (original) The method of measuring discrete, incremental feedback from motion systems of claim 2 wherein the period of the clock signal is less than the shortest period between feedback pulses.

4. (original) The method of measuring discrete, incremental feedback from motion systems of claim 3 wherein the period of the clock signal is less than or equal to one-tenth the shortest period between feedback pulses.

5. (original) The method of measuring discrete, incremental feedback from motion systems of claim 2 wherein the minimum feedback pulse sampling period is a multiple of the clock signal period.
6. (original) The method of measuring discrete, incremental feedback from motion systems of claim 2 wherein sampling periods can begin and end only concurrently with a clock signal.
7. (original) The method of measuring discrete, incremental feedback from motion systems of claim 6 further comprising calculating estimated motion velocity by dividing the number of feedback pulses accumulated during a sampling period by the time period of such sampling period.
8. (original) The method of measuring discrete, incremental feedback from motion systems of claim 7 wherein the time period of such sampling period is determined by counting the number of clock signals occurring during the sampling period.
9. (previously canceled)